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PTO/SB/05 (2/98)

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No. 1778.0100002  
First Inventor or Application Identifier Timothy J. Van Hook  
Title Alignment and Ordering of Vector Elements for Single Instruction Multiple Data Processing  
Express Mail Label No.

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ \* Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)

2. ☒ Specification [Total Pages 42]  
(preferred arrangement set forth below)

- Descriptive title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 17]

4. ☒ Oath or Declaration [Total Pages 15]

a. ☐ Newly executed (original or copy)

b. ☒ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed)  
[Note Box 5 below]

I. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§ 1.63(d)(2) and 1.33(b).

5. ☒ Incorporation By Reference (useable if Box 4b is checked)

The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. ☐ Microfiche Computer Program (Appendix)

7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)

a. ☐ Computer Readable Copy

b. ☐ Paper Copy (identical to computer copy)

c. ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

8. ☐ Assignment Papers (cover sheet & document(s))

9. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)

10. ☐ English Translation Document (if applicable)

11. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations

12. ☒ Preliminary Amendment

13. ☒ Two (2) Return Receipt Postcards (MPEP 503)  
(Should be specifically itemized)

14. ☐ \*Small Entity Statement(s) ☐ Statement filed in prior application, Status still proper and desired  
(PTO/SB/09-12)

15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

16. ☒ Other: 37 C.F.R. § 1.136(a)(3) Authorization

☐ Other:

\*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☒ Continuation ☐ Divisional ☐ Continuation-in-Part (CIP) of prior application No: 09/263,798

Prior application information: Examiner S. Whitmore Group/Art Unit: 2783

## 18. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☒ Correspondence address below

NAME	STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.				
	Attorneys at Law				
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CITY	Washington	STATE	DC	ZIP CODE	20005-3934
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NAME (Print/Type)	Michael B. Ray	Registration No. (Attorney/Agent)	33,997
SIGNATURE		Date	9/15/00

Burden Hour Statement: this form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.**

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\*\*REGISTERED PATENT AGENTS

September 15, 2000

WRITER'S DIRECT NUMBER:

(202) 371-2569

INTERNET ADDRESS:

MRAY@SKGF.COM

Commissioner for Patents  
Washington, D.C. 20231

**Box Patent Application**

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)  
*Continuation of U.S. Patent Appl. No. 09/263,798; filed March 5, 1999*  
Appl. No. To be assigned; Filed: Herewith  
For: **Alignment and Ordering of Vector Elements for Single Instruction  
Multiple Data Processing**  
Inventors: Van Hook *et al.*  
Our Ref: 1778.0100002 (0055.20US)

Sir:

The following documents are forwarded herewith for appropriate action by the U.S.  
Patent and Trademark Office:

1. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
2. U.S. Utility Patent Application entitled:

**Alignment and Ordering of Vector Elements for Single Instruction Multiple  
Data Processing**

Commissioner for Patents  
September 15, 2000  
Page 2

and naming as inventors:

Timothy J. Van HOOK  
Peter HSU  
William HUFFMAN  
Henry P. MORETON  
Earl KILLIAN

the application consisting of:

- a. A specification containing:
- i. 30 pages of description prior to the claims;
  - ii. 11 pages of claims (48 claims);
  - iii. a one (1) page abstract;
- b. 17 sheets of drawings: (Figures 1-5, 6A-6B, 7, 8A-8H, 9, 10A-10H);
- c. A copy of the executed combined Declaration and Power of Attorney, as originally filed in U.S. Appl. No. 08/947,649;
3. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3) (*in duplicate*);
4. A Preliminary Amendment;
5. Letter to PTO Draftsman: Submission of Formal Drawings;
6. 17 sheets of formal drawings (Figures 1-5, 6A-6B, 7, 8A-8H, 9, 10A-10H), approval of which is respectfully requested; and
7. Two (2) return postcards.

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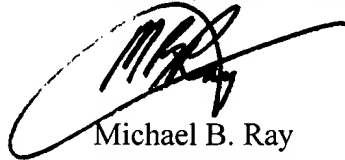
Commissioner for Patents  
September 15, 2000  
Page 3

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

This application is being filed under 37 C.F.R. § 1.53(b) without filing fee.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Michael B. Ray  
Attorney for Applicants  
Registration No. 33,997

MBR/MPT/bnp  
Enclosures

P:\USERS\BPORTER\MBR\1778.0100002 PTO Cover Letter (0055.20US)

0055.20US - 091500

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Van Hook *et al.*

Appl. No.: To be assigned

Filed: Herewith

For: **Alignment and Ordering of Vector  
Elements for Single Instruction  
Multiple Data Processing**

Art Unit: To be assigned

Examiner: To be assigned

Atty. Docket: 1778.0100002  
(0055.20US)

**Letter to PTO Draftsman: Submission of Formal Drawings**

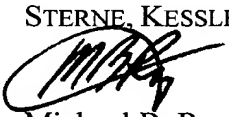
Commissioner for Patents  
Washington, D.C. 20231

Sir:

Submitted herewith are 17 sheets of formal drawings with Figures 1-5, 6A-6B, 7, 8A-8H, 9, 10A-10H, corresponding to the informal drawings submitted with the above-captioned application. The application number, group art unit and attorney docket number appear on the back of each sheet. Acknowledgment of the receipt, approval, and entry of these formal drawings into this application is respectfully requested.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

  
Michael B. Ray  
Attorney for Applicants  
Registration No. 33,997

Date: 9/15/00

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Jc759 U.S. PTO  
09/662832  
09/15/00

In re application of:

Van Hook *et al.*

Appl. No.: To be assigned

Filed: Herewith

For: **Alignment and Ordering of Vector  
Elements for Single Instruction  
Multiple Data Processing**

Art Unit: To be assigned

Examiner: To be assigned

Atty. Docket: 1778.0100002  
(0055.20US)

**Authorization To Treat A Reply As Incorporating An Extension Of Time  
Under 37 C.F.R. § 1.136(a)(3)**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply. A duplicate copy of this authorization is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Michael B. Ray  
Attorney for Applicants  
Registration No. 33,997

Date: 9/15/00

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